

LIST OF MAP UNITS

AGE AND LITHOLOGIC ABBREVIATIONS FOR MESOZOIC AND  
CENOZOIC OVERLAP SEDIMENTARY ASSEMBLAGES  
AND BASINAL DEPOSITS

Qe	Sedimentary rocks (Quaternary)
Qv	Sedimentary rocks (Quaternary and late Tertiary)
Ca	Sedimentary rocks (Cenozoic)
Cav	Sedimentary and volcanic rocks (Cenozoic)
Ckva	Sedimentary rocks (Cretaceous and Cenozoic)
Ckva	Sedimentary and volcanic rocks (Cretaceous and Cenozoic)
Te	Sedimentary rocks (early Tertiary)
Tka	Sedimentary rocks (Late Cretaceous and early Tertiary)
Tls	Sedimentary rocks (early Tertiary to Late Jurassic)
Ks	Sedimentary rocks (Cretaceous)
Ek	Sedimentary rocks (Early Cretaceous)
Ks	Sedimentary rocks (Early Cretaceous and Late Jurassic)
Kva	Sedimentary and volcanic rocks (Early Cretaceous and Late Jurassic)
Js	Sedimentary rocks (Late Jurassic)
Js	Sedimentary rocks (Jurassic)

AGE AND LITHOLOGIC ABBREVIATIONS FOR  
CENOZOIC AND MESOZOIC OVERLAP VOLCANIC ASSEMBLAGES  
AND BASINAL DEPOSITS

(Note: Felic includes silicic and intermediate igneous rocks.)

Qvi	Intermediate volcanic rocks (Quaternary)
Qvf	Felsic volcanic rocks (Quaternary)
Qv	Basalt (Quaternary and late Tertiary)
Qv	Felsic volcanic rocks (Quaternary and late Tertiary)
Qv	Intermediate volcanic rocks (Quaternary and late Tertiary)
Qv	Mafic volcanic rocks (Quaternary and late Tertiary)
mVf	Felsic volcanic rocks (middle Tertiary)
mV	Intermediate volcanic rocks (middle Tertiary)
mV	Mafic volcanic rocks (middle Tertiary)
etV	Intermediate volcanic rocks (early Tertiary)
etV	Mafic volcanic rocks (early Tertiary)
etV	Felsic volcanic rocks (early Tertiary and Late Cretaceous)
etV	Intermediate volcanic rocks (early Tertiary and Late Cretaceous)
etV	Mafic volcanic rocks (early Tertiary and Late Cretaceous)
etV	Volcanic rocks (early Tertiary and Late Cretaceous)
etV	Volcanic rocks (Tertiary)
etV	Volcanic rocks (Cenozoic)
etV	Intermediate volcanic rocks (Cenozoic)
etV	Intermediate volcanic rocks (Late Cretaceous)
etV	Volcanic rocks (Cretaceous)
Kvi	Intermediate volcanic rocks (Cretaceous)
Kvf	Felsic volcanic rocks (Cretaceous)
Kv	Intermediate volcanic rocks (Early Cretaceous)
Kv	Intermediate volcanic rocks (Early Cretaceous and Jurassic)
Kv	Intermediate volcanic rocks (Early Cretaceous and Jurassic)
Kv	Intermediate volcanic rocks (Early Cretaceous and Jurassic)
Kv	Volcanic rocks (Early Cretaceous and Jurassic)
etV	Felsic volcanic rocks (Late Jurassic)
etV	Mafic volcanic rocks (Late Jurassic)
etV	Mafic volcanic rocks (Late Jurassic)

AGE AND LITHOLOGIC ABBREVIATIONS FOR PLUTONIC ROCKS

(Note: Felic includes silicic and intermediate igneous rocks.)

QvT	Felsic plutonic rocks (late Tertiary)
QvT	Intermediate plutonic rocks (late Tertiary)
mV	Felsic plutonic rocks (middle Tertiary)
mT	Mafic plutonic rocks (middle Tertiary)
mT	Plutonic rocks (middle Tertiary)
Tp	Felsic plutonic rocks (Tertiary)
etV	Felsic plutonic rocks (early Tertiary)
Tp	Felsic plutonic rocks (early Tertiary and Late Cretaceous)
Tp	Felsic plutonic rocks (early Tertiary and Late Cretaceous)
Tp	Intermediate plutonic rocks (early Tertiary and Late Cretaceous)
etV	Felsic plutonic rocks (Late Cretaceous)
etV	Felsic plutonic rocks (middle-Cretaceous)
etV	Felsic plutonic rocks (Cretaceous)
etV	Intermediate plutonic rocks (Cretaceous)
Kp	Kp
Kp	Intermediate plutonic rocks (Cretaceous)
Kp	Mafic and ultramafic plutonic rocks (Cretaceous)
etV	Felsic plutonic rocks (Early Cretaceous)
etV	Felsic plutonic rocks (Late Jurassic and Early Cretaceous)
etV	Felsic plutonic rocks (Late Jurassic)
Jp	Felsic plutonic rocks (Jurassic)
Jp	Felsic plutonic rocks (Jurassic)
Jp	Felsic plutonic rocks (Jurassic)
etV	Felsic granitic rocks (late Paleozoic)
etV	Felsic granitic rocks (middle Paleozoic)
P_g	Felsic granitic rocks (Proterozoic)

NAME ABBREVIATIONS FOR OVERLAP SEDIMENTARY AND  
VOLCANIC ASSEMBLAGES, BASINAL DEPOSITS, AND IGNEOUS ARCS

(Arranged alphabetically by map symbol;  
abbreviations for map symbols displayed in parentheses on  
5:0-million-scale maps where space permits)

al	Alutian volcanic arc - volcanic part (early Tertiary to Holocene) (Alaska Peninsula, Aleutian Islands, and Komandorsky Islands)
am	Alpha-Mendeleev Ridge (late Early Cretaceous to Paleogene) (Beaufort Sea, Chukchi Sea, and adjacent areas)
an	Aniva sedimentary basin (Cenozoic) (Southern Sea of Okhotsk)
as	Amersia sedimentary basin (Early Cretaceous to Quaternary) (Canadian Arctic Islands, Beaufort Sea, Chukchi Sea, East Siberia Sea and adjacent areas)
at	Alaska Range-Talrova Mountain volcanic-plutonic belt - volcanic part (Late Cretaceous and early Tertiary) (Southern Alaska)
at	Aleutian-Bowers sedimentary basin (Cenozoic) (Northern Pacific Ocean and Bering Sea)
bg	Blagoveshchensk sedimentary basin (Late Cretaceous to Quaternary) (East Siberian Sea and adjacent areas)
bo	Bowers sedimentary assemblage (Middle Jurassic to Early Cretaceous) (Central and southern Canadian Cordillera)
bs	Bering Sea volcanic belt (late Tertiary and Quaternary) (Bering Sea, Seward Peninsula, and southwestern Alaska)
bu	Bureya sedimentary basin (Jurassic and Early Cretaceous) (Northwestern part of Russian Southeast)
bw	Bowers Ridge volcanic belt (early Tertiary?) (Bering Sea)
ca	Cascade volcanic-plutonic belt (late Eocene to Quaternary) (Central and southern Canadian Cordillera and U.S.A. Pacific Northwest)
cb	Columbia River Basalt Group (Miocene) (U.S.A. Pacific Northwest and southern and central Canadian Cordillera)
cd	Cordillera sedimentary foreland basin (Late Jurassic to early Tertiary) (U.S.A. Pacific Northwest and Canadian Cordillera)
ce	Charlie sedimentary basin (Cenozoic) (Beaufort Sea, Chukchi Sea, and adjacent areas)
ck	Central Kamchatka volcanic and sedimentary basin (Oligocene to Holocene) (Kamchatka Peninsula)
co	Colville sedimentary basin (Cretaceous and Cenozoic) (Northern Alaska)
co	Central Okhotsk sedimentary basin (Cenozoic) (Sea of Okhotsk)
co	Carmacks volcanic field (Late Cretaceous) (Northern Canadian Cordillera)
co	Coast-North Cascade plutonic belt (Late Cretaceous to early Tertiary) (southeastern Alaska, western Canadian Cordillera, and northern U.S.A. Pacific Northwest)
di	De Long sedimentary basin (Cenozoic) (Beaufort Sea, Chukchi Sea, and adjacent areas)
dl	Deryugin sedimentary basin (Cenozoic) (Sea of Okhotsk)
ej	East Japan volcanic belt (Neogene to Holocene) (Hokkaido Island, Japan)
ek	East Kamchatka volcanic belt (Pliocene to Holocene) (Eastern Kamchatka Peninsula)
es	East Sikhote-Alin volcanic-plutonic belt (Late Cretaceous and early Tertiary) (Eastern part of Russian Southeast)
es	Eastern Sakhalin sedimentary basin (Cenozoic) (Sea of Okhotsk)
ga	Georgia Basin sedimentary assemblage (Late Cretaceous to Tertiary) (Southern part of Canadian Cordillera)
gg	Gravina-Nutzoia-Gambler volcanic-plutonic-sedimentary belt (Late Jurassic and Early Cretaceous) (Eastern-southern Alaska, southeastern Alaska, and Canadian Cordillera)
gz	Graben zone (Cenozoic) (East Siberian Sea and adjacent areas)
hp	Hope sedimentary basin (Late Cretaceous to Quaternary) (Chukchi Sea)
ia	Interior Alaska volcanic belt (middle Tertiary) (West-Central Alaska and Saint Lawrence Island, Alaska)
ib	Ishikari-Tompoiki-Hidaka sedimentary-volcanic basin (Cretaceous and late Paleogene to Holocene) (Hokkaido Island, Japan)
id	Indigirka-Olyo sedimentary-volcanic-plutonic assemblage (Middle Jurassic to Early Cretaceous) (Southeastern to northwestern Russian Northwest)
ka	Kamloops volcanic belt (early Tertiary) (Central and southern Canadian Cordillera)
kb	Kukivern sedimentary assemblage (Cretaceous) (Eastern Russian Northwest)
kc	Central Kamchatka volcanic belt (Eocene to Quaternary) (Central Kamchatka Peninsula)
kk	Kahiltsa sedimentary and volcanic assemblage (Late Jurassic and Cretaceous) (Southern and southwestern Alaska)
kk	Kamchatka-Koryak volcanic belt (Late Cretaceous to Miocene) (Kamchatka Peninsula and eastern Russian Northwest)
km	Kuskokwim Mountain sedimentary, volcanic, and plutonic belt (Late Cretaceous and early Tertiary) (Southwestern Alaska)
kn	Kandik River sedimentary overlap assemblage (Early Cretaceous and Late Jurassic) (East-central Alaska)
ko	Khingang-Okhotsk volcanic-plutonic belt (Cretaceous) (Northern part of Russian Southeast)
ku	Kuril volcanic arc (early Miocene to Holocene) (Kamchatka Peninsula)
kw	Kuskokwim Group (Cretaceous) (Southwestern Alaska)
lb	Labeled sedimentary basin (Cenozoic) (Eastern Sea of Okhotsk)
ma	Middle Amur sedimentary basin (Late Cretaceous and Cenozoic) (Russian Southeast)
mak	Makarov sedimentary basin (Cenozoic) (Sea of Okhotsk)
nb	Northwind sedimentary basin (Cenozoic) (Beaufort Sea, Chukchi Sea, and adjacent areas)

no	North Chukchi (Vikitskii) sedimentary basin (Tertiary and Quaternary) (Northern part of Chukchi Sea)
no	North Okhotsk sedimentary basin (Sea of Okhotsk)
no	Nelson plutonic suite (Jurassic) (Southeastern Canadian Cordillera)
no	Novolitskiy sedimentary basin (Late Cretaceous to Quaternary) (East Siberian Sea)
ok	Okhotsk-Chukotka volcanic-plutonic belt (Cretaceous and Paleocene) (Eastern Russian Northwest)
om	Omineca-Selwyn plutonic belt (mid-Cretaceous) (Eastern Canadian Cordillera, interior and northern Alaska, and northern Russian Northwest)
or	Oregon-Olympic sedimentary foreland basin (Eocene to Miocene) (U.S.A. Pacific Northwest and offshore of Vancouver Island, Canadian Cordillera)
os	Oshima sedimentary-volcanic basin (late Paleogene to Quaternary) (Hokkaido Island, Japan)
pa	Penzhina sedimentary basin (mid- and Late Cretaceous) (Central part of Russian Northwest)
rc	Rancho sedimentary basin (Late Jurassic to mid-Cretaceous) (Northeastern part of Russian Northwest)
sf	Spences Bridge volcanic-plutonic belt (mid-Cretaceous) (Southern British Columbia, Canadian Cordillera)
sf	Sanak-Baranof plutonic belt (Late Cretaceous and early Tertiary) (Coastal southern Alaska)
sh	Shirshov Ridge volcanic belt (late Tertiary?) (Western Bering Sea)
sk	Skeena sedimentary assemblage (Early Cretaceous) (Northern British Columbia, Canadian Cordillera)
st	Skomoln sedimentary assemblage (Miocene and Pliocene) (East of Queen Charlotte Island, Canadian Cordillera)
st	South Okhotsk sedimentary basin (Cenozoic) (Southern Sea of Okhotsk)
st	Sakhalin-Primorye volcanic-plutonic belt (Late Cretaceous to Quaternary) (Sea of Japan and adjacent areas)
st	Three sedimentary basins (Late Cretaceous and Cenozoic) (Sea of Okhotsk)
st	Troms sedimentary basin (Late Jurassic and Early Cretaceous) (Northwestern part of Russian Southeast)
tt	Tahiti-Twin Sisters-Francoise Lake magmatic assemblage (Middle Jurassic-Early Cretaceous) (Central and southern parts of Russian Northwest)
tt	Upper Amur sedimentary assemblage (Jurassic) (Northwestern part of Russian Southeast)
ud	Uda volcanic-plutonic belt (Late Jurassic and Early Cretaceous) (Southern part of Russian Northwest)
ud	Umklean-Ogobdikh volcanic-plutonic belt (Jurassic and Cretaceous) (Northwestern part of Russian Southeast)
uz	Uda-Zeya sedimentary basin (Late Jurassic) (Northern part of Russian Southeast)
vk	Verkhoyansk collisional granite belt (Late Jurassic and Early Cretaceous) (Southern and western parts of Russian Northwest)
wk	West Kamchatka sedimentary basin (Tertiary) (Western Kamchatka Peninsula and adjacent Sea of Okhotsk)
wk	Wrangell volcanic field (middle Tertiary to Holocene) (Eastern-Southern Alaska)
yk	Yukon-Kanuti volcanic-plutonic belt - volcanic part (early Tertiary) (Eastern-Southern Alaska)

ABBREVIATIONS FOR CRATON, CRATON MARGIN,  
OCEANIC PLATE, AND BACK-ARC-SPREADING UNITS

Craton and Craton-Margin Rock Units

North American Craton and Craton Margin

NAC	Western North American Craton (Archean through Cenozoic) (East of Canadian Cordillera)
NAM	North American Craton Margin (Proterozoic, Paleozoic, and early Mesozoic) (Between North American Craton and terranes of Canadian Cordillera)

North Asian Craton and Craton Margin (Eastern and southern parts of Siberia)

NSC	North Asian Craton (Archean and Early Proterozoic) (Eastern part of North Asian Craton)
NSS	North Asian Craton - Stenoov block (Archean and Early Proterozoic) (Southern part of North Asian Craton)
NSV	North Asian Craton Margin (Verkhoyansk fold belt) (Paleozoic and early Mesozoic) (Between North Asian Craton and accreted terranes)

Active Spreading Seafloor and Cenozoic Oceanic Plates

Active Spreading Seafloor (Pacific Ocean)

JA	Juan de Fuca Plate (Cenozoic) (Eastern Pacific Ocean)
PAC	Pacific Plate (Cenozoic) (Pacific Ocean)

Eurasia Plate (East Siberian Sea)

NAN	Nansen Basin (Cenozoic) (Laptev Sea)
-----	--------------------------------------

North American Plate (East Siberian Sea)

AN	Amundsen Basin (Cenozoic) (Beaufort Sea, Chukchi Sea, and adjacent areas)
----	---

Bering Sea

KME	Komandorsky Plate East (early Miocene) (Komandorsky Basin, Western Bering Sea)
KMW	Komandorsky Plate West (early Miocene) (Komandorsky Basin, Western Bering Sea)

Back-Arc Spreading Units

KR	Kuril back-arc unit (Cenozoic) (Southwestern Sea of Okhotsk)
SI	Sea of Japan back-arc unit (Cenozoic) (Sea of Japan)

TECTONOSTRATIGRAPHIC TERRANES

(Arranged alphabetically by map symbol;  
interpreted tectonic environment and region in parentheses)

AA	Alutian terrane (oceanic crust) (Probable Cretaceous and early Tertiary) (Northern Pacific Ocean, Bering Sea)
AL	Arctic Alaska superterrane (Northern Alaska)
AAD	DeLong Mountains terrane (passive continental margin) (Brooks Range, Alaska)
AAE	Edgemoor Mountains terrane (passive continental margin) (Brooks Range, Alaska)
AAH	Hammitt terrane (passive continental margin) (Brooks Range, Alaska)
AAN	North Slope terrane (passive continental margin) (North Slope and eastern Brooks Range, Alaska)
AAT	Tigra terrane (passive continental margin) (Northwestern Alaska and western Seward Peninsula)
AG	Angayucham terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (East- and west-central Alaska, and Southern Brooks Range)
AK	Avekov terrane (cratonal) (East-central part of Russian Northwest)
AM	Amur terrane (accretionary wedge and subduction zone - predominantly turbidites) (Northern part of Russian Northwest)
AN	Anni terrane (metamorphosed continental margin) (Eastern part of Russian Northwest)
ANV	Aniva terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Sakhalin Island, Russian Northwest)
AP	Aurora Peak terrane (continental-margin arc) (Eastern and central Alaska Range, Alaska)
AR	Arctic terrane (passive continental margin) (age unknown) (Beaufort Sea, Chukchi Sea, and adjacent areas)
ASC	Academy of Sciences collage (Sea of Okhotsk)
ATW	Attu-Prize William terrane (accretionary wedge - predominantly turbidites) (Northern Pacific Ocean)
AV	Argun terrane (cratonal) (Northwestern part of Russian Northwest)
AV	Alkatrav terrane (accretionary wedge - predominantly turbidites) (Northwestern part of Russian Northwest)
AY	Ayanak terrane (passive continental margin) (Northern part of Russian Northwest)
BA	Baker terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Southwestern part of U.S.A. Pacific Northwest)
BD	Badzhalt terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Northern part of Russian Northwest)
BE	Bennett terrane (passive continental margin) (East Siberian Sea)
BL	Beladok terrane (cratonal) (Northern part of Russian Northwest)
BP	Broad Pass terrane (metamorphic) (Central Alaska Range, Alaska)
BR	Bridge River terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Southern Canadian Cordillera and northern U.S.A. Pacific Northwest)
BSC	Bering Sea collage (Northern Pacific Ocean and Bering Sea)
Bureya	Bureya superterrane (Western part of Russian Northwest)
BUM	Malakhovskaya terrane (continental-margin arc) (Western part of Russian Northwest)
BUT	Tura terrane (continental-margin arc) (Western part of Russian Northwest)
CA	Cassiar terrane (passive continental margin) (Eastern part of Canadian Cordillera)
CC	Catch Creek terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Eastern part of Canadian Cordillera)
CD	Cadwallader terrane (inland arc) (Southern part of Canadian Cordillera)
CE	Chelan Mountains terrane (oceanic crust) (North-central part of U.S.A. Pacific Northwest)
Chugot	Chugot terrane (Southern and southeastern Alaska)
CGM	McHugh Complex and correlative units (subduction zone - predominantly oceanic rocks) (Southern and southeastern Alaska)
CGV	Valdez Group and correlative units (accretionary wedge - predominantly turbidites) (Southern and southeastern Alaska)
CHU	Chulitna terrane (oceanic crust, seamount, or ophiolite) (Central Alaska Range, Alaska)

Chukotka	Chukotka terrane (Northern part of Russian Northwest)
CHA	Anytherrane (passive continental margin) (Northern part of Russian Northwest)
CHC	Chama subterrane (passive continental margin) (Northern part of Russian Northwest)
CHW	Wrangell subterrane (passive continental margin) (Wrangell Island, East Siberia Sea)
CK	Chilliwack River terrane (inland arc) (Southern British Columbia, Canadian Cordillera and northern U.S.A. Pacific Northwest)
CKC	Chukchi Cap terrane (passive continental margin) (age unknown) (Beaufort Sea, Chukchi Sea, and adjacent areas)
CO	Coldfoot terrane (metamorphosed continental margin) (Southern Brooks Range, Alaska)
CW	Clearwater terrane (inland arc) (Central Alaska Range, Alaska)
CZ	Crazy Mountains terrane (passive continental margin) (East-central Alaska)
DL	Dillingier terrane (passive continental margin) (West-central Alaska)
DY	Dewey terrane (passive continental margin) (East-central part of Canadian Cordillera)
EA	Easton terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Southeastern Canadian Cordillera and northwestern U.S.A. Pacific Northwest)
EK	Ekonay terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Eastern Koryak Highlands, Northwestern Russian Northwest)
GD	Goodnews terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Southwestern Alaska)
Galun	Galun terrane (Northern part of Russian Northwest)
GLG	Galun River subterrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Northern part of Russian Northwest)
GLN	Sakhalin subterrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Northern part of Russian Northwest)
GLT	Tugur subterrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Northern part of Russian Northwest)
GN	Gonza terrane (cratonal) (Western part of Russian Northwest)
GR	Gara terrane (oceanic crust, seamount, or ophiolite) (Northwestern part of Russian Northwest)
GS	Grindstone terrane (accretionary wedge - predominantly turbidites) (Southeastern part of U.S.A. Pacific Northwest)
GZ	Central Alaska terrane (inland arc) (Southwestern Kamchatka Peninsula)
HA	Harrison Lake terrane (inland arc) (Southwestern Canadian Cordillera and northwestern U.S.A. Pacific Northwest)
HE	Henrietta terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (East Siberian Sea)
HI	Hikida terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Hokkaido Island, Japan)
HIA	Hidaka-Ainu collage (Sea of Okhotsk)
HO	Hoh terrane (accretionary wedge and subduction zone - predominantly turbidites) (Southwestern Canadian Cordillera and northwestern U.S.A. Pacific Northwest)
IG	Ingalit terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (North-central part of U.S.A. Pacific Northwest)
IK	Irondyk terrane (inland arc) (Kamchatka Peninsula)
IOC	Institute of Oceanology collage (Sea of Okhotsk)
IZ	Ize terrane (turbidite basin) (Southeastern part of U.S.A. Pacific Northwest)
KB	Khabarovsk terrane (accretionary wedge and subduction zone - predominantly turbidites) (East-central part of Russian Northwest)
KE	Kema terrane (inland arc) (Eastern part of Russian Northwest)
KHS	Khasa superterrane (Southern part of Russian Northwest)
KHG	Sergeyevka terrane (continental-margin arc) (Southern part of Russian Northwest)
KIK	Kaluga terrane (continental-margin arc) (Southern part of Russian Northwest)
KIS	Spassk terrane (accretionary wedge - predominantly turbidites) (Southern part of Russian Northwest)
KIV	Voznesensk terrane (continental-margin arc) (Southern part of Russian Northwest)
KI	Kibichuk-Idon terrane (cratonal) (Southwestern and west-central Alaska)
KK	Kamukluta terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Hokkaido Island, Japan)
KL	Kholodilnik terrane (turbidite basin) (Northwestern part of Russian Northwest)
KLM	Klasevka-Mamonova terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Southern part of Russian Northwest)
Kony-Margal	Kony-Margal terrane (Southern part of Russian Northwest)
KOM	Margal terrane (inland arc) (Southern part of Russian Northwest)
KMT	Talga terrane (inland arc) (Southern part of Russian Northwest)
KO	Kootenay terrane (metamorphosed continental margin) (Southeastern part of Canadian Cordillera)
Kolyma-Omolon	Kolyma-Omolon superterrane (Central part of Russian Northwest)
KOAC	Alutian terrane (subduction zone - predominantly oceanic rocks) (Central part of Russian Northwest)
KOAG	Argatay terrane (accretionary wedge - predominantly oceanic rocks) (Central part of Russian Northwest)
KOAL	Alavaya terrane (inland arc) (North-central part of Russian Northwest)
KOB	Berezovka terrane (turbidite basin) (North-central part of Russian Northwest)
KOKN	Kaluga-Nera terrane (accretionary wedge - predominantly turbidites) (Central part of Russian Northwest)
KOKT	Khatanga terrane (inland arc) (North-central part of Russian Northwest)
KOL	Kolyuchan terrane (inland arc) (North-central part of Russian Northwest)
KOLE	Eropol subterrane of Olyo terrane (inland arc) (North- to east-central part of Russian Northwest)
KOLS	Sivertskiy subterrane of Olyo terrane (inland arc) (North- to east-central part of Russian Northwest)
KOM	Munkilka terrane (ophiolite) (Northwestern part of Russian Northwest)
KOO	Omolon terrane (cratonal) (Southeastern part of Russian Northwest)
KOP	Pokhivka terrane (passive continental margin) (Central part of Russian Northwest)
KOR	Rassokha terrane (oceanic crust) (Central part of Russian Northwest)
KOV	Omulovka terrane (passive continental margin) (South-central part of Russian Northwest)
KOY	Yaroslavskiy terrane (inland arc) (Northwestern part of Russian Northwest)
KR	Khor terrane (continental-margin arc) (Eastern part of Russian Northwest)
KRO	Kronotskiy terrane (inland arc) (Southeastern Kamchatka Peninsula)
KS	Kamchatka Myr terrane (oceanic crust) (Eastern Kamchatka Peninsula)
KT	Kotel'nyy terrane (passive continental margin) (New Siberia Islands)
KUK	Kuril-Kamchatka terrane (accretionary wedge - predominantly turbidites) (East of Kamchatka Peninsula and East of Kuril Islands)
KV	Kanyshov terrane (inland arc) (Sakhalin Island)
KY	Koyuk terrane (inland arc) (West-central Alaska)
LD	Ladovik-Grodekovskiy terrane (inland arc) (Southwestern part of Russian Northwest)
LG	Livengod terrane (oceanic crust, seamount, or ophiolite) (East-central Alaska)
LN	Lin terrane (turbidite basin) (Northern part of Russian Northwest)
LO	Lomonosov terrane (passive continental margin) (Cenozoic) (Arctic Ocean and Chukchi Sea)
MA	Manley terrane (turbidite basin) (East-central Alaska)
MAI	Mainitskiy terrane (inland arc) (Northwestern part of Russian Northwest)
MK	Maklary terrane (oceanic crust, seamount, or ophiolite) (Central Alaska Range, Alaska)
MKR	Maklaryskiy collage (Sea of Okhotsk)
ML	Maclaren terrane (continental-margin arc) (Eastern Alaska Range, Alaska)
MM	Manya terrane (continental-margin arc) (Northwestern part of Russian Northwest)
MN	Mischukina terrane (passive continental margin) (Central Alaska)
MNK	Misook terrane (turbidite basin) (East-central Alaska)
MT	Monsheer terrane (cratonal) (Southeastern part of Canadian Cordillera)
MT	Melkov terrane (turbidite basin) (Southern Canadian Cordillera and northern U.S.A. Pacific Northwest)
MY	Mytic terrane (passive continental margin) (Central Alaska)
NA	Nana terrane (accretionary wedge and subduction zone - predominantly turbidites) (North-central part of U.S.A. Pacific Northwest)
NAB	Nabitysk terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Sakhalin Island)
NE	Nemuro terrane (inland arc) (Hokkaido Island, Japan, and Lesser Kuril Islands, Russian Northwest)
NR	Northwind Ridge terrane (passive continental margin) (late Early Cretaceous and Tertiary) (Beaufort Sea, Chukchi Sea, and adjacent areas)
NS	Nora-Sukhotin terrane (inland arc) (Western part of Russian Northwest)
NU	Nutepya terrane (inland arc) (Northern part of Russian Northwest)
NY	Nyck terrane (inland arc) (Southwestern Alaska)
NOX	Nixon Fork terrane (passive continental margin) (Central and west-central Alaska)
OC	Olympic Core terrane (accretionary wedge and subduction zone - predominantly turbidites) (Southern Canadian Cordillera and northern U.S.A. Pacific Northwest)
OF	Olds Ferry terrane (inland arc) (Southeastern part of U.S.A. Pacific Northwest)
OR	Omolok-Oronok collage (Sea of Okhotsk)
OR	Orochovskiy terrane (cratonal) (Southeastern part of Russian Northwest)
OKM	Okhotsk collage (Sea of Okhotsk)
OKY	Olyokta-Kamchatka terrane (Koryak Highlands and Kamchatka Peninsula)
OKO	Olyokta subterrane (inland arc) (Koryak Highlands, northeastern Russian Northwest)
OKV	Vainingskiy subterrane (inland arc) (Eastern Kamchatka Peninsula)
OL	Olds terrane (passive continental margin) (Northwestern part of Russian Northwest)
OS	Oshima terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Hokkaido Island, Japan)
PAB	Peninsular subterrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Western part of Koryak Highlands, eastern Russian Northwest)
PAG	Ganyushina subterrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Eastern part of Koryak Highlands, eastern Russian Northwest)
PAM	Main subterrane (accretionary wedge and subduction zone - predominantly turbidites) (Western part of Koryak Highlands, eastern Russian Northwest)
PC	Porcupine terrane (passive continental margin) (Northwestern Alaska and northwestern Yukon Territory)
PGR	Pogranichnyy collage (Sea of Okhotsk)

PK	Pekul'nyy terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Northwestern part of Russian Northwest)
PN	Pingston terrane (turbidite basin) (Central Alaska Range, Alaska)
PR	Pacific Rim terrane (accretionary wedge and subduction zone - predominantly turbidites) (Southwestern Canadian Cordillera and northwestern U.S.A. Pacific Northwest)
PW	Price William terrane (accretionary wedge and subduction zone - predominantly turbidites) (Coastal southern Alaska)
QN	Quennellia terrane (inland arc) (Central part of Canadian Cordillera)
RB	Ruby terrane (metamorphosed continental margin) (Northern West-central Alaska)
South Asyal	South Asyal terrane (Northern part of Russian Northwest)
SAS	Shalauzer subterrane (subduction zone - predominantly oceanic rocks) (Northern part of Russian Northwest)
SAU	Uppanaka subterrane (subduction zone - predominantly oceanic rocks) (Northern part of Russian Northwest)
SB	Selkirk terrane (metamorphosed continental margin) (Seward Peninsula, Alaska and Chukotka Peninsula, Northeastern Russian Northwest)
SD	Stellovsky terrane (inland arc) (Northern Kamchatka Peninsula)
SE	Seward terrane (metamorphosed continental margin) (Seward Peninsula, Alaska and Chukotka Peninsula, Northeastern Russian Northwest)
SHL	Shelkovskiy collage (Sea of Okhotsk)
SHT	Shmidt terrane (inland arc) (Sakhalin Island)
SHU	Shul'nikov subterrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (East-central part of Canadian Cordillera)
SM	Smurka terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Southwestern part of Russian Northwest)
SR	Srednaya-Kamchatka terrane (metamorphic) (Southern Kamchatka Peninsula)
ST	Stikil'nyy terrane (inland arc) (southeastern Alaska and west-central Canadian Cordillera)
STJ	Stikil'nyy J terrane (inland arc) (east-central Alaska)
SU	Suvyeta terrane (mountain) (Southern Alaska)
SV	Suvyeta terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (East-Central Alaska)
SW	Swanow terrane (erosional) (Northern part of U.S.A. Pacific Northwest)
SWH	Swakhe terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (coastal area with West Salishian terrane) (turbidite basin) (Hokkaido Island, Japan)
SZ	Siletia terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Western part of Russian Northwest)
TD	Takana terrane (inland arc) (Eastern part of southeastern Alaska)
TD	Tupikar-Dzhagdi terrane (accretionary wedge and subduction zone - predominantly oceanic rocks) (Western part of Russian Northwest)
TL	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (Southwestern Alaska)
TLA	Talik terrane (inland arc) (South